

Abstract Submitted
for the 4CF11 Meeting of
The American Physical Society

Introduction to Non-Invasive Glucose Measurement - A Physicist's Perspective DANIEL BLAKLEY¹, Brigham Young University, STEVEN SIMSKE², Hewlett-Packard Research Labs, PANKAJ VADGAMA³, Queen Mary, University of London, School of Engineering and Materials Science., BIOMEDICAL RESEARCHERS FROM BYU, HP, AND QMU TEAM⁴ — The Quest, The Elusive Art and Science, Many Efforts and Investments, Physiology of Blood and Epidermal Regions, Some Methods including Eyes, Breath, Skin Coupling using Spectroscopy, Ring-down Spectroscopy, IR Measurement, Florescence - all as General Introductory Material.

¹Daniel, currently a graduate student in physics and astronomy, who's background is as a scientist and engineer in R&D labs.

²Dr. Simske is an HP Fellow in the Printing and Content Delivery Lab, and is the Director and Chief Technologist for the HP Labs Security Printing and Imaging Engineering Geared for Enterprise Lifecycle program.

³Professor P Vadgama is currently Director of the IRC in Biomedical Materials, Professor of Clinical Biochemistry, and Head of Service in the Department of Clinical Biochemistry, Barts and the Royal London NHS Trust.

⁴Our collaborative work concerns advanced cardiology and non-invasive glucose research

Daniel Blakley
Brigham Young University

Date submitted: 19 Sep 2011

Electronic form version 1.4